

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
CERTIFICATE OF TYPE APPROVAL**

(EC Certificate of Type Examination-96/98/EC Directive Module B)

Certificate Number: 164.112/1121/WCL MED0479TE

Applicant:- **Pyrotek Pty. Ltd**

Manufacturer:- Pyrotek Pty. Ltd

Address:- **147-149 Magowar Road, Girraween,
NSW 2145, Australia**

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NSW 2145, Australia

This is to certify that the applicant has submitted details of a decorative veneer tape (item reference "A.1/3.18a") having low flame-spread and low smoke and toxic fume emission characteristics known and designated as:-

"Tape AGC"

having the technical specification given in the schedule of equipment on this certificate which has been tested and complies with the recommended criteria given in the following methods, published by the International Maritime Organisation, and which are contained in the relevant parts of the International Code for Application of Fire Test Procedures (FTP Code) namely:-

- IMO Resolution MSC 307(88): Annex 1: Part 5 and Annex 2.
- Smoke and Toxicity is satisfied by meeting the total heat release (Q_t) and peak heat release (Q_p) requirement as stated Paragraph 2.2 of Annex 2 to IMO Resolution MSC 307(88).
- IMO MSC/Circ.1120, 2 June 2004.

This certificate is issued on behalf of the Maritime and Coastguard Agency (MCA). The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 1999 and also the Marine Equipment Directive 96/98 as amended, the certificate is issued.

This product has been assigned a U.S. Coast Guard Module B number 164.112/EC1121/WCL MED0479TE to note type approval to Module B only as it pertains to obtaining US Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

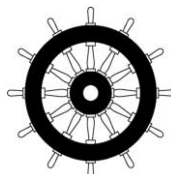


P Duggan
Certification Manager
Warrington Certification Limited
Holmesfield Road
Warrington WA1 2DS

Date of Issue: 4th July 2016

This certificate is valid until: 3rd July 2021

**This certificate is not valid for equipment, the design or manufacture
of which, has been varied or modified from the specimens tested.**



Certificate of Type Approval Schedule of Equipment

The applicant declared that the following comprises an accurate description of the system type to which this certificate applies.

| | | |
|--|---------------------------------|--|
| General description | | Aluminium glass cloth textile which can be applied to mineral wool insulation or a metallic substrate |
| Product reference | | "Tape AGC" |
| Name of manufacturer | | Pyrotek |
| Aluminium glass cloth | Generic type | Aluminium glass cloth |
| | Product reference | See Note 1 below |
| | Name of manufacturer | See Note 1 below |
| | Thickness | 0.12mm |
| | Weight per unit area | 115g/m ² |
| | Colour reference | "Silver" |
| | Type of weave / cell dimensions | See Note 1 below |
| | Flame retardant details | See Note 2 below |
| Adhesive | Generic type | See Note 1 below |
| | Product reference | See Note 1 below |
| | Name of manufacturer | See Note 3 below |
| | Colour reference | See Note 1 below |
| | Application rate | See Note 1 below |
| | Application method | See Note 1 below |
| | Flame retardant details | See Note 2 below |
| | Curing process | See Note 1 below |
| Insulation / substrate | Generic type | Mineral wool / metallic substrate |
| | Product reference | See Note 1 below |
| | Name of manufacturer | See Note 1 below |
| | Thickness | 30mm mineral wool / 3mm thick metallic substrate or thicker |
| | Density / weight per unit area | 24kg/m ³ or denser (Mineral wool) / 2.67g/cm ³ or denser (Metallic substrate) |
| Brief description of manufacturing process | | See Note 3 below |

Note 1. The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 3. The sponsor was unwilling to provide this information.

The under noted documents have been approved for compliance with the relevant requirements of International Conventions and European Union Legislation for the EC Type examination of Marine Equipment for use on Ships Registered in the European Economic Area.

Approved Documents - Test Reports

- (1) WF 354774 and WF 354776 (Dated November 2015) Surface Flammability test to IMO Resolution MSC 307(88): Annex 1: Part 5.
- (2) Smoke and Toxicity is satisfied by meeting the total heat release (Q_t) and peak heat release (Q_p) requirement as stated Paragraph 2.2 of Annex 2 to IMO Resolution MSC 307(88).

Warrington Certification Limited, Holmesfield Road, Warrington, WA1 2DS.

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